

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

[illegible][illegible]

Examiner Signature	/Ana Fortuna/ (11/12/2006)	Date Considered	11/12/2006
-----------------------	----------------------------	--------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST:16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

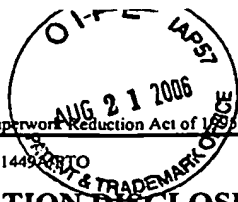
Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Application Number	10/635,736
				Filing Date	August 6, 2003
				First Named Inventor	Willem Kools
				Art Unit	1723
				Examiner Name	To Be Assigned
Sheet	2	of	2	Attorney Docket Number	2089/102 (MCA-517)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		<sup>2</sup>
AF	11	Cohen, "Two-Layer Slot Coating: Flow Visualization and Modelling," Thesis, University of Minnesota, December 1993		
	12	Gröbe et al., "Ein neues Prinzip für die Herstellung von asymmetrischen Polymermembranen," <i>Acta Polymerica</i> 30:62-63 (1979)		X
	13	Gröbe et al., "Multilayer Membranes I. A New Type of Asymmetric Synthetic Membranes," <i>Synthetic Polymeric Membranes</i> , Ed. B. Sedlacek, J. Kahovec, Walter Gruyter & Co., Berlin, (1987)		
	14	Hiatt et al., "Microporous Membranes Via Upper Critical Temperature Phase Separation," <i>Materials Science of Synthetic Membranes</i> , ed., D.R. Lloyd, American Chemical Society, Washington, D.C. (1985), p. 229-244.		
	15	Taylor, "Two-Layer Slot Coating: Study of Die Geometry and Interfacial Region," Thesis, McMaster University, July 1997		
	16	Taylor et al., "Visualization and Flow Simulation of a Two-Layer Slot Coater," <i>Chemical Engineering Science</i> 54:909-918 (1999)		
	17	Weigel et al., "Bikomponentenmembranen II. Herstellung von Bikomponentenmembranen unter Einsatz einer Bikomponentenbreitschlitzdüse," <i>Acta Polymerica</i> 40:734-740 (1989)		X
↓	18	Weigel et al., "Bikomponentenmembranen III. Diffusion und Strukturbildung bei der Koagulation von Polymerlösungen unter Einsatz einer Bikomponentenbreitschlitzdüse," <i>Acta Polymerica</i> 41:124-131 (1990)		X
AF	19	Weigel et al., "Bicomponent membranes. IV. Influence of Membrane Formation Principles on the Structure of the Active Layer of Membranes," <i>Acta Polymerica</i> 42:366-371 (1991)		

Examiner Signature	/Ana Fortuna/ (11/12/2006)	Date Considered	11/12/2006
--------------------	----------------------------	-----------------	------------

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.



<b>Substitute for form 1449-0810</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/635,736
Sheet 1 of 2				Filing Date	August 6, 2003
				First Named Inventor	Willem Kools
				Art Unit	1723
				Examiner Name	To Be Assigned
				Attorney Docket Number	2089/102 (MCA-517)

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
AF  					

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>2</sup> (if known)				
AF  ↓  AF	30	JP	56-91815	07-25-1981	Toyo Soda MFG Co. Ltd.		X
	31	JP	60-76323	04-30-1985	Dainippon Printing Co. Ltd		X
	32	JP	60-132605	07-15-1985	Sanyo Chem. Ind. Ltd.		X
	33	JP	62-11617	08-02-1994	Meiji Seika Kaisha et al.		X
	34	JP	09-24260	01-28-1997	Dainippon Ink & Chemical, Inc.		X
	35	WO	94/09880	05-11-1994	Cuno Incorporated		
	36	WO	98/30379	07-16-1998	Weigel et al.		X

Examiner/Signature	Ana Fortuna/ (11/12/2006)	Date Considered	11/12/2006
--------------------	---------------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Application Number	10/635,736
				Filing Date	August 6, 2003
				First Named Inventor	Willem Kools
				Art Unit	1723
				Examiner Name	To Be Assigned
Sheet	2	of	2	Attorney Docket Number	2089/102 (MCA-517)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
AF	37	SCHENKEL, "Plastics Extrusion Technology and Theory," Iliffe Books Ltd., London, published by American Elsevier Publishing Company Inc., New York, pp. 336-337 (1967)	

Examiner Signature	/Ana Fortuna/ (11/12/2006)	Date Considered	11/12/2006
-----------------------	----------------------------	--------------------	------------

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use several sheets if necessary)  (PTO-1449)	ATTY. DOCKET NO.		SERIAL NO.
	2089/102 (MCA-517)		Continuation of 10/275,210
	APPLICANT		
	Willem Kools		
FILING DATE		GROUP ART UNIT	
Herewith		To Be Assigned	

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
AF	1	4,203,848	05/20/1980	Grandine			
	2	4,261,834	04/14/1981	deWinter			
	3	4,340,479	07/20/1982	Pall			
	4	4,629,563	12/16/1986	Wrasidlo			
	5	4,770,777	09/13/1988	Steadly et al.			
	6	5,228,994	07/20/1993	Tkacik et al.			
	7	5,444,097	08/22/1995	Tkacik			
	8	5,500,167	03/19/1996	Degen			
	9	5,550,167	08/27/1996	DesMarais			
	10	5,620,790	04/15/1997	Holzki et al.			
AF	11	6,056,529	05/02/2000	Meyering et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE
	12	EP 0764461	08/28/2002	Europe			
	13	0 578 210 A2	01/12/1994	Europe			
	14	0 572 329	05/17/1993	Europe			

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

AF	15	U.S. Patent Application Publication No. US 2002/0113006 A1 to Sale et al.
AF	16	U.S. Patent Application Publication No. US 2003/0035943 A1 to Jones et al.
AF	17	U.S. Patent Application Publication No. US 2002/0127387 A1 to Sale et al.
EXAMINER /Ana Fortuna/ (11/12/2006)		
DATE CONSIDERED		11/12/2006
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		